

## artdaq - Bug #20373

### SBND VST - subrun change from fragment generator not working

07/19/2018 04:18 PM - Ron Rechenmacher

<b>Status:</b>	New	<b>Start date:</b>	07/19/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Co-Assignees:</b>	
<b>Experiment:</b>	-		
<b>Description</b>			
SBN is having some sort of issue with this -- we are trying to get more details. They reports varied number of events in output files (when fixed number expected).			
<b>Related issues:</b>			
Related to artdaq - Bug #20403: SBND - SHM - artdaq::SharedMemoryManager::Get...		<b>Closed</b>	<b>07/23/2018</b>
Related to artdaq - Idea #20442: Evaluate the shared memory interplay between...		<b>New</b>	<b>07/25/2018</b>

#### History

##### #1 - 07/21/2018 09:32 PM - Ron Rechenmacher

There is the possibility that this is really a Shmem\_transfer issue.

##### #2 - 07/23/2018 09:35 AM - Ron Rechenmacher

I'm seeing an issue with artdaq::SharedMemoryManager::GetBufferForReading() which, for some as yet unknown reason, appears to be happening mainly in the transfer area (not communication with art area).

For this reason, we can force the use of TCP in the transfer area and avoid (or significantly decrease) the occurrence of this issue.

##### #3 - 07/23/2018 03:31 PM - Ron Rechenmacher

- Subject changed from subrun change from fragment generator to SBND VST - subrun change from fragment generator not working

Reports of varied number of events in output files (when fixed number expected).

##### #4 - 07/23/2018 03:34 PM - Ron Rechenmacher

- Description updated

##### #5 - 07/25/2018 02:10 PM - Ron Rechenmacher

- Related to Bug #20403: SBND - SHM - artdaq::SharedMemoryManager::GetBufferForReading() skipping/dropping buffers/fragments/events added

##### #6 - 07/25/2018 02:11 PM - Ron Rechenmacher

- Related to Idea #20442: Evaluate the shared memory interplay between "broadcast," "reliable," "overwrite" and "drop" design/functionality (and corresponding fcl config) added